

F-4-90

Gulf of Mexico - April 1990

R/V Farnella

STATION/ CORE ID: 24/PC 24
 DATE: 18 April, 1990 JD 108
 WEATHER: Calm
 RECORDED BY: Schwarz
 PROCESSORS: _____

APPROX. LOCATION: Head of
southern canyon
 WATER DEPTH (m): ~~3350~~ m 3375m
 NAVIGATION: GPS
 WINCH: _____

MISC. EQUIP: _____

MISC. PROCEDURES: _____

COMMENTS: 3 BARREL CORE IN ~~THE~~ BATHY DEPRESSION (HEAD OF BOX CANYON).

CORE LOCATION

	Start	On-Bottom	End
Time:	<u>0723</u>	<u>0822Z</u>	
LAT:	<u>25° 17.82'</u>	<u>25° 17.78'</u>	
LONG:	<u>084° 40.37'</u>	<u>84° 40.41'</u>	
TD:			
TD:			

CORER/CORE INFORMATION

	Piston Core	Trigger Core
Core Head Wt (lbs.):	<u>2800 lb</u>	
Barrel Length (m):	<u>9m</u>	<u>1m</u>
Total Penetration (m):	<u>FULL -</u>	
Recovery (m):	<u>4 SECTIONS</u>	<u>88cm</u>
Flow-in (m):		
Lowering Rate (m/min.):		
Max. Wire Out (m):	<u>3318 m</u>	
	<u>PULL OUT = 5.0 tons</u>	

SECT. NO.	INTERVAL (m)	COMMENTS (Disturbance...)
1	<u>0-1.21</u>	
2	<u>1.21-2.71</u>	
3	<u>2.71-4.05</u>	
4	<u>4.05-5.55</u>	<u>Flow-in 4.17-5.46</u>
5	<u>+C/C (bagged)</u>	
6		
7		
8		
9		
10		

TC 24 - 0-088 m
 +C/C (bagged)

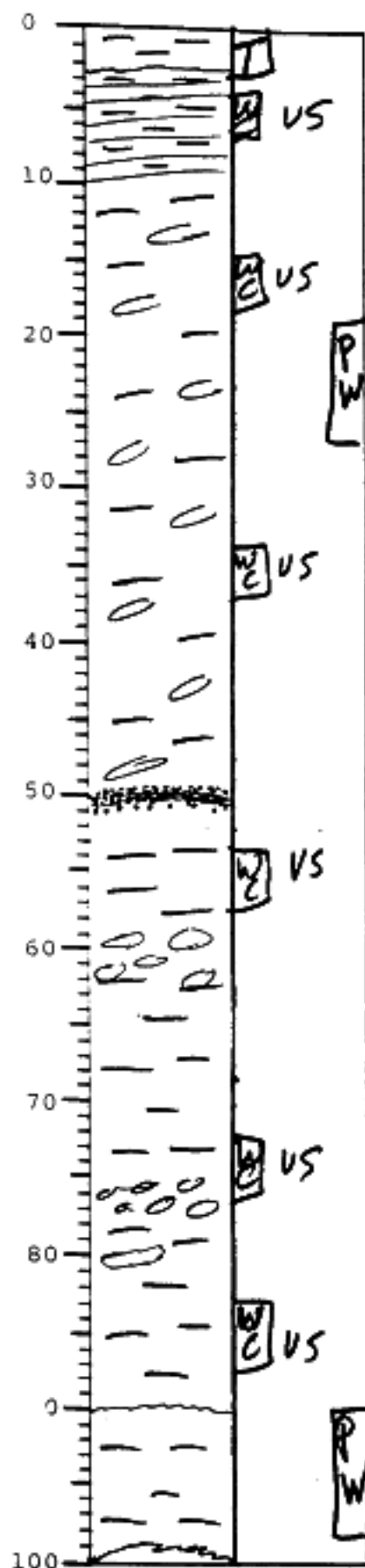
Nelson

Sta. _____ Core No. PC 24

Lithologic
Log

Detailed Description

555 cm length



6-3 cm moderate yellowish brown (10YR 5/4) unconsolidated clay w/ ss

3-10 cm laminated yellowish + grayish yellow bands

10-53 cm lt. Olive gray (5Y 5/2) bioturbated clay

- Note that all burrow mottling is flattened of to TC which is less compacted

- Carbonate(?) clay has only very small + scattered microfauna

51 cm

50 = 1/2 cm ss layer that is located @ 83 in TC

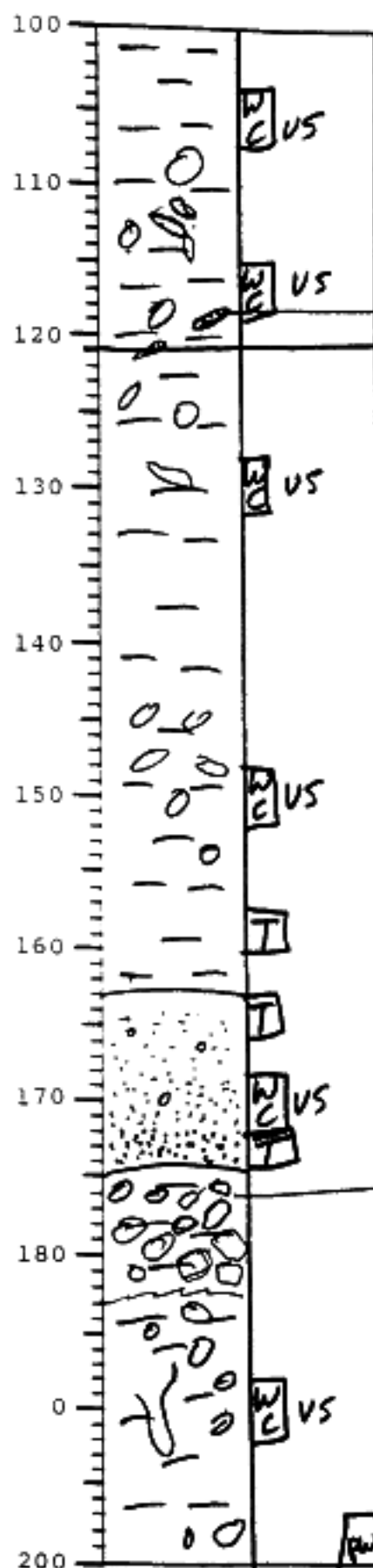
50-90

lt olive gray gradually getting darker burrow mottles common

90-100 cm Olive gray gradually changing into lt. olive gray

100 cm sharp contact of Olive gray w/ lt olive gray

n) Lithologic Log

Detailed Description

100 - 163 It olive gray clay w/
large olive gray burrows 1-4cm

some open burrows exist
End of section

163 - 175 Carbonate turbidite

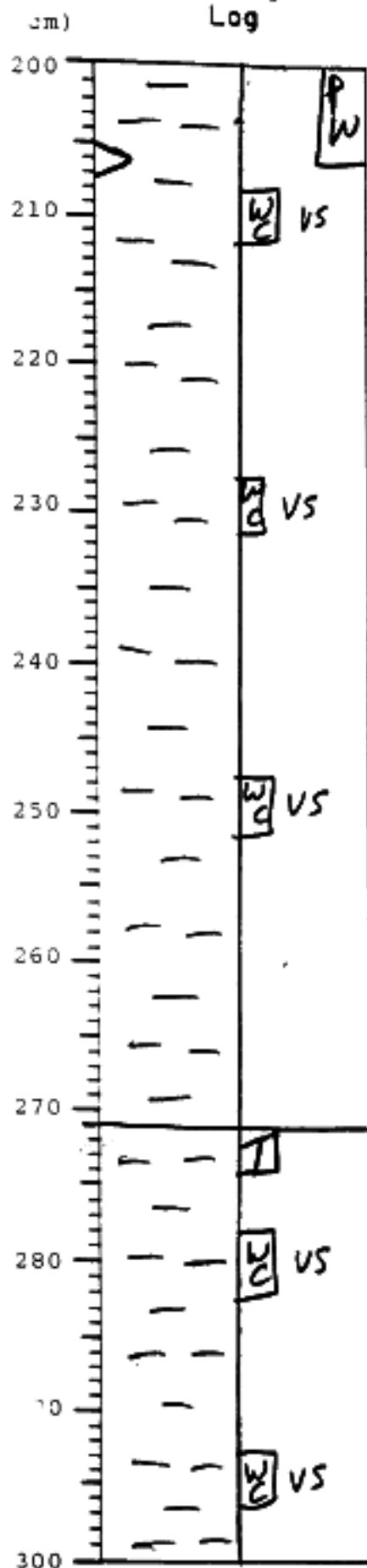
- small open burrows of a 1mm
- upper part clayey silt to clay
- lower 2cm clayey sandy silt
- light olive gray at base of Carbonate TC
- highly bioturbated
- gradually grades to less bioturbation
- + olive gray clay @ 190 cm

190 - 350 massive olive gray clay
w/ no bioturbation evident

Sta. _____ Core No. 12-24

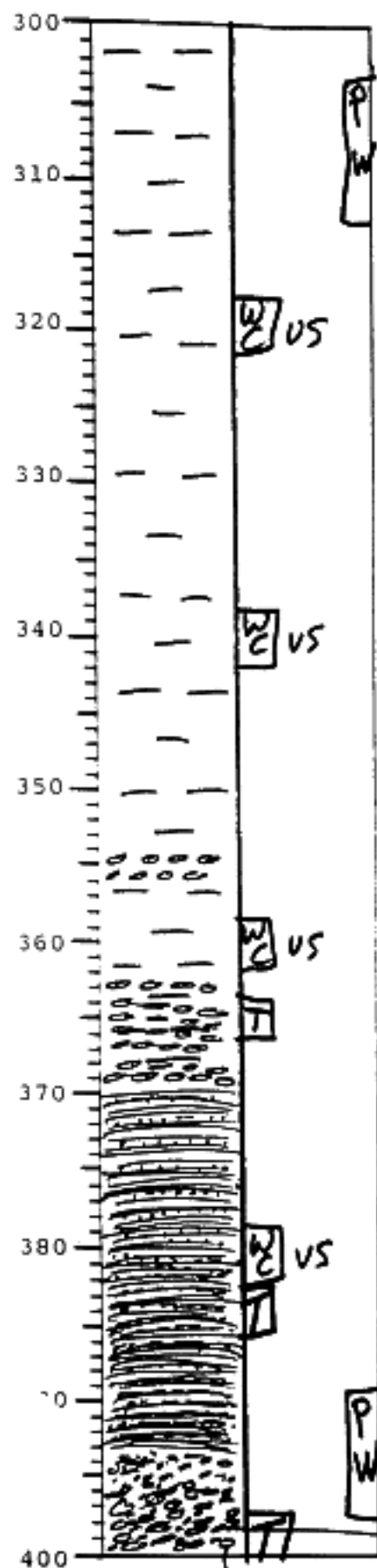
Lithologic Log

Detailed Description



190 - 350 = olive gray clay

End of section

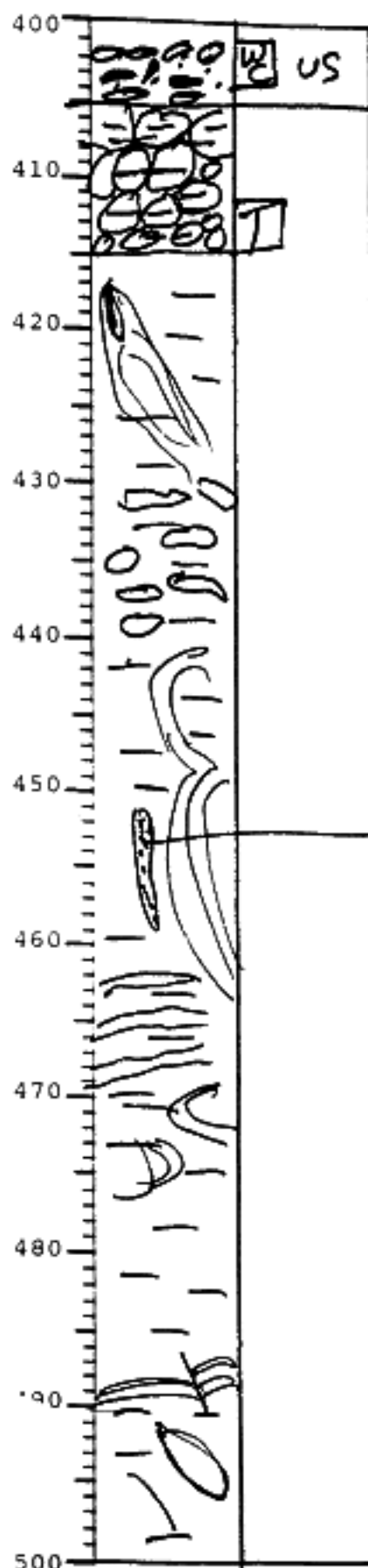
Lithologic
LogDetailed Description

355-350 1-2 mm section of bioturbation

362-369 bioturbation(?) lamination
at very gradual end of extensive
carbonate turbidite

369-393 finely-laminated (1m)
turbidite silt - upper gradational
part

393-400 more basal massive part of
turbidite - coarse carb. fragments
up to 1-2mm but increasing amounts
of clay clasts of 2mm or more

Lithologic
LogDetailed Description

mud clasts of 1-3 mm + 1-2m shell frag
end of section

Base of recognizable sed. gravity flow
unconsolidated mud clasts up to 5cm dia.

415-430 Flow in

Flow in but can see distorted clasts

430-440

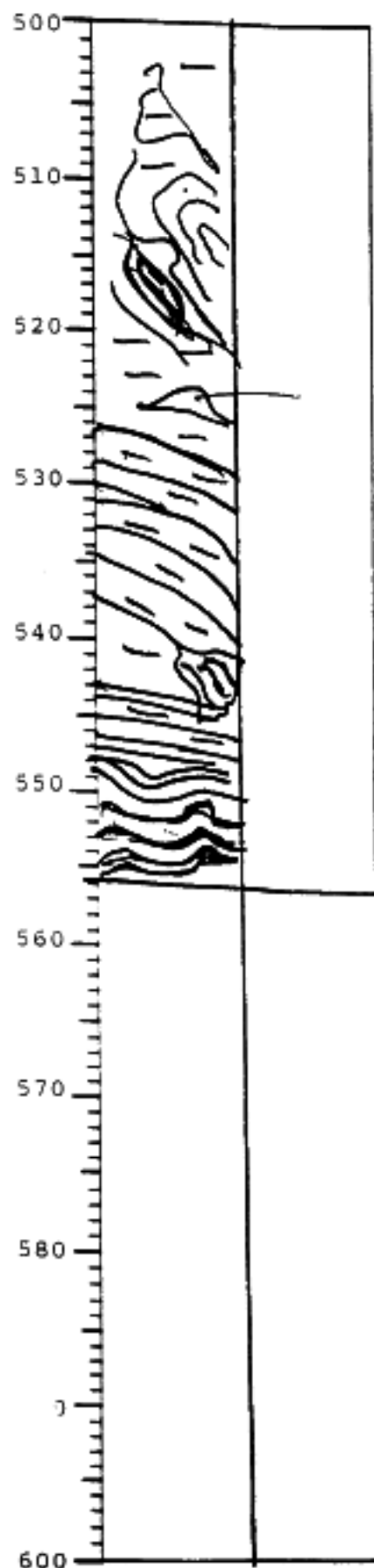
± preservation

clean & sand flipped

- Banded light & dark layers 465-72

470-490 Distorted layers & flow in

490-520 Major flow in

Sta. _____ Core No. PC-201) Lithologic
LogDetailed Description

500-520 Flow in

white

— 524-530 light + dark layers

542-550 flat laminated sediment
1-3 mm banded light + dark

End of Core

VISUAL CORE DESCRIPTION

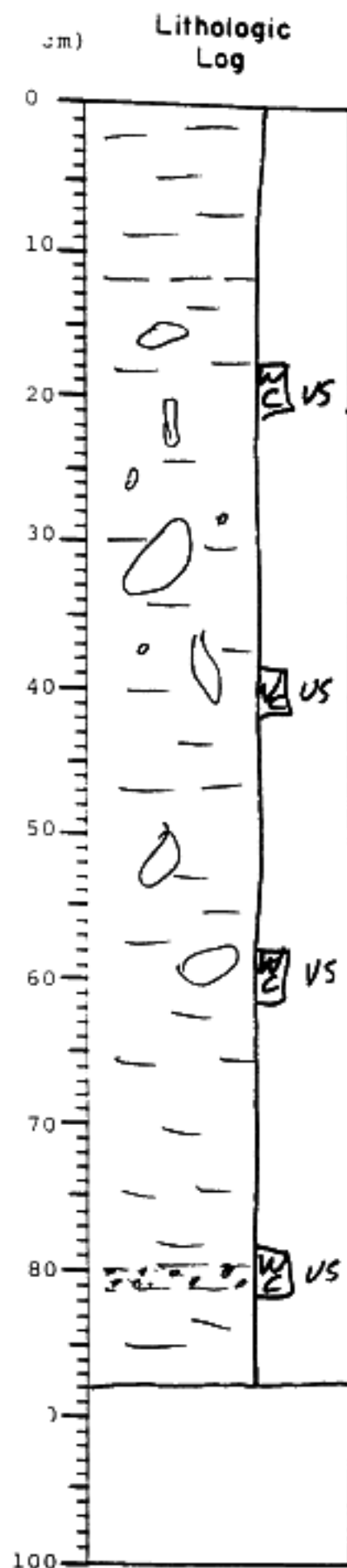
Kenyon

F-4-90

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Sta. _____ Core No. TC 24

Detailed Description



0-12 Yellowish gray 5Y 7/2 mud with forams. Some light olive gray irregular banding at 10-12 cm. 5Y 6/1

these are
thought to be open and filled burrows. Circa 0.2 cm and 1 cm diameter.

12-88 Light olive gray clay 5Y 6/1

80-82 Light olive gray coarser band 5Y 6/1